



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

644.4116

Job Sheet 175565



Part No: 644.4116

Job Qty: 10 ea

Part Name: Bracket, Small Fwd



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/6/18

Job Tracking No:

Due Date: 4/16/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG 644.4100 Rev F2 IPP REV:A 16.12.07 NEW ISSUE DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	10 Ea		4/14/18	0.00	0.00	Start Up Waterjet		SC 8/18/11
100	Waterjet	10 pcs		4/14/18	0.00	1.00	Waterjet1		SC 8/18/11
110	QC	10 pcs		4/14/18	0.00	0.00	QC2 Waterjet-4		SC 8/18/11
120	QC	10 pcs		4/14/18	0.00	0.00	QC8-4		38
125	Small Fab	10 pcs		4/14/18	0.00	1.00	Small Fab-4		38
130	Brake NC	10 pcs		4/14/18	0.00	0.00	Brake NC 1		38
140	QC	10 pcs		4/14/18	0.00	0.00	QC5		38
150	Outsource	10 pcs		4/14/18	0.00	0.00	Outsource4		CTB 5-10
160	Packaging	10 pcs		4/14/18	0.00	0.00	Packaging2		4/16/18
170	QC	10 pcs		4/14/18	0.00	0.00	QC6		38
180	SprayPaint	10 pcs		4/16/18	0.00	1.00	Spray Paint		48 JUN 08 2018
190	QC	10 pcs		4/16/18	0.00	0.00	QC14		38
200	Packaging	10 pcs		4/16/18	0.00	0.00	Packaging3-2		38
210	QC21-SA	10 Ea		4/16/18	0.00	0.00	QC21		JUN 11 2018

Part Op 100 - 1-Cut as per Dwg D Dwg Rev: F Prog Rev: F 2-Deburr if necessary

Descriptions: 125 - C'SINK HOLES AS PER DWG

130 - Form as per DWG. Using DT10297

150 - 1-ISSUE P/O TO ATG: 20039946 2-Anodize Black -MPP-172 Section 2.1 -Hard Anodize IAW Mil-A-8625
Type 3 Class 2 3-Certification of Conformity is required

180 - 1- PRIME AS PER DWG SEE NOTE 4 AND MPP-172 BATCH: _____ 2- PAINT AS PER DWG,
SEE NOTE 4 AND MPP-172 BATCH: _____

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M2024T3S.160	2024-T3 .160 Sheet	1.2000 sf (.12 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M2024T3S.160	1	57	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐		Cross tube ☐ Small Fab ☐		Water Jet ☐ Prod. Eng. Coord. ☐		Engineering ☐ Quality ☐ Other ☐	
Date : _____		Step #: _____		DART AEROSPACE Container No: S059984 Part: 644.4116 Job No: 175565 Serial No/Batch: S059984 Revision: F2 Inspector: _____ Date: 04/11/18 DART AEROSPACE 1270 Aberdeen Street Hawkebury, ON K6A 1K7 CANADA TEL.: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com							
Description Work Order Dev _____		Su: _____									
Root Cause											
Environment	☐	No Re-verification	☐	Pressure/Force	☐	Set-up	☐	Grain	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	BOM/Route	☐	Weld	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	Broken/Damage/Defect	☐	Wrong Stock Pulled	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Inspection Incomplete/Unqualified	☐	Out of Sequence	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Contamination	☐	Off-set	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Countersink	☐	Mislabeled	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Cut Too Short	☐	Fit/Function	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Instructions Incomplete/Unclear	☐	Misaligned/off center	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Drill Holes	☐		☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐				☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐								
Misidentified	☐	Past Due	☐	OTHER :							

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

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1 2 3 4 5 6 7 8

A

B

C

D

1.31

45.0° TYP

.75 TYP

2.44

6.17

3.73

2.81

.80 TYP

.80 TYP

1.05 TYP

∅.171 6 PL

∅.30 6 PL

.60 TYP

.30 TYP

R.11 TYP

.16 TYP

3.80

R.44

R.60

2.52

644.4116
BRACKET (SMALL), FWD

ORIGINAL DATE	08-01-05		
DRAWN BY	CHESTER		
D. PARROT	S. JOSEPH		
DESIGNED APPROVAL	S. JOSEPH 08-29-05		
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACES DECIMALS ±.03 3 PLACES DECIMALS ±.010 ANGLES ±.5°			
SHEET	CAGE CODE	DWG. NO.	REV.
B	07M26	644.4100	F
SCALE: NONE		SHEET 8 OF 10	

644.4116
BRACKET (SMALL), FWD

ORIGINAL DATE 1980-04-19	08-01-05	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300
DRAWN BY J. JOSEPH	CHECKED J. JOSEPH	
DRAWING APPROVED J. JOSEPH 08-26-05	02-24-01	
CONTRACT NO.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES 2 PLACE DECIMALS 1.03 3 PLACE DECIMALS 1.010 ANGLES		REF. CAGE CODE DWG NO. 644.4100 REV. F SCALE 1" = 1" SHEET 8 OF 16

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039946**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalonde, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039946

PO Date: 5/18/18

Due Date: 5/25/18

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	175564	644.4115	Bracket, Small Aft 1-ISSUE P/O TO ATG: _____ 2-Anodize Black -MPP-172 Section 2.1 -Hard Anodize IAW Mil-A-8625 Type 3 Class 2 3-Certification of Conformity is required	Firmed	5/25/18	10 pcs	0 pcs	10 pcs	\$9.80/pcs	\$98.00
2	175565	644.4116	Bracket, Small Fwd 1-ISSUE P/O TO ATG: _____ 2-Anodize Black -MPP-172 Section 2.1 -Hard Anodize IAW Mil-A-8625 Type 3 Class 2 3-Certification of Conformity is required	Firmed	5/25/18	10 pcs	0 pcs ✓ 10X	10 pcs	\$9.80/pcs At 8/05/18	\$98.00
3	175549	644.4110	Aft Bracket, Large 1-ISSUE P/O TO ATG: _____ 2-Anodize Black -MPP-172 Section 2.1 -Hard Anodize IAW Mil-A-8625 Type 3 Class 2 3-Certification of Conformity is required	Firmed	5/25/18	10 pcs	0 pcs	10 pcs	\$10.55/pcs	\$105.50

GA



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 915227

Date: 24-May-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Christoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
10 ea	Part: 644.4115 Bracket, Small Aft Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Job: 23112 PO: PO039946 Line: 1	Rev: F	
10 ea	Part: 644.4116 Bracket, Small Fwd Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Job: 23113 PO: PO039946 Line: 2	Rev: F	
10 ea	Part: 644.4110 Aft Bracket Large Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Job: 23114 PO: PO039946 Line: 3	Rev: F	
10 ea	Part: 644.4117 Bracket, Fwd Pivot Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Job: 23115 PO: PO039946 Line: 4	Rev: F	
10 ea	Part: 644.4111 Bracket, Aft Pivot Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Job: 23116 PO: PO039946 Line: 5	Rev: F	
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>24/5/2018</u> Certified Signature: <u>[Signature]</u> Made in Canada.			

